

ABSTRACT

RADIO COMMUNICATION SYSTEM

5 A radio communication system comprises a primary station which is arranged to transmit a series of data packets to a secondary station which operates according to an ARQ scheme for acknowledging correct reception of each packet. The primary station transmits error correction information relating to any packets that are not received correctly, thereby enabling the secondary 10 station to extract correctly the data. The data packets are transmitted via a plurality of logical channels, so that an error in transmission of one packet does not hold up transmission of packets in other channels. Transfer of data transmission from one primary station to another is done by transferring each channel when correct reception of a data packet on that channel has been 15 acknowledged, thereby avoiding the extra signalling required in transferring logical channels in which a data packet has been received in error and the error correction transmissions have not been completed.

20 (Figure 4)

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